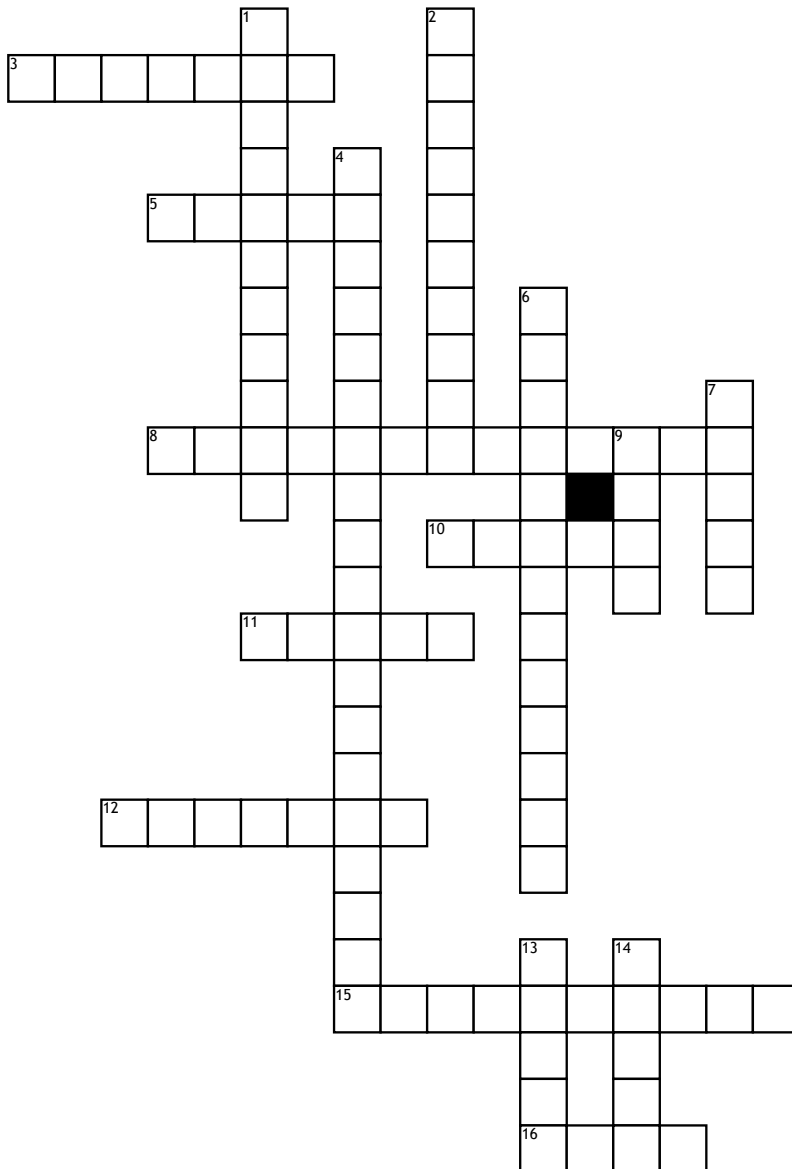


# Work and Machines



## Across

3. pivot point of a lever  
 5. unit of work  
 8. flat, sloped surface that allowed you to exert your input force over a longer distance  
 10. spins on an axle, make it easier to carry a load up and down an inclined plane  
 11. wheels with teeth  
 12. don't change the amount of work you do, but do change the way you do the work.

15. =output work/input work x 100%

16. when you apply a force to an object and the object moves in the same direction in which you applied the force

## Down

1. the force that is exerted from the input force to create motion of the resisting object  
 2. the force you exert when you do work  
 4. ratio of output force to input force

6. makes work easier

7. a simple machine that is thick at one end and tapers to a thin edge at the other; used to cut things

9. part that a wheel spins on

13. wedge wrapped around a rod

14. contains a fulcrum, an output force, and an input force